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#10/13 p James
4.4.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Frank Collart *et al.*)
)
Serial No.: 09/533,466) Examiner: N. Ogihara
)
Attorney Docket No. 21416/90042)
) Art Unit: 1631
Filing Date: March 23, 2000)
)
Title: USE OF THE CRYSTAL STRUCTURE)
OF BACTERIAL IMP DEHYDROGENASE TO)
DESIGN INHIBITORS OF BACTERIAL)
GROWTH)

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AMENDMENT AND RESPONSE TO OFFICE ACTION
MAILED OCTOBER 20, 2000

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

This amendment is filed in response to the Office Action mailed October 20, 2000. Please enter the following amendments and consider the accompanying remarks. A petition for a two-month extension of time until March 20, 2001 is filed concurrently with the required fee. A sequence listing in accordance with 37 C.F.R. § 1.821-1.825 is also filed concurrently.

AMENDMENT

In the Claims

Please amend the following claims:

In claim 1, add --(ionisine monophosphate dehydrogenase)-- after "IMPDH"

4. (Amended) A method for developing lead compounds for an inhibitor of bacterial IMPDH (inosine monophosphate dehydrogenase), said method comprising

- a. obtaining a crystal of bacterial IMPDH;
- b. recording x-ray diffraction data from said crystal; [and]
- c. using said diffraction data to generate an electron density map consistent with the model for the molecular structure of IMPDH[.]; and